



KODAK FLEXCEL
NX ULTRA PLATE KITS

FLEXCEL NXUH Plates & Thermal Imaging Layer

Ultra fast. Ultra clean. Ultra efficient.

miraclon

KODAK FLEXCEL NX Systems have transformed the capabilities of flexo printing for the entire packaging value chain for a decade, with a level of consistency, on-press efficiency, and print quality previously unachievable with flexo. Today, we have a new addition to the FLEXCEL NX family. The KODAK FLEXCEL NX Ultra Solution offers these same sought-after benefits in a solvent-free, VOC-free platemaking environment that delivers an impressive press-ready plate in less than an hour.

Peak performance

With high-performing FLEXCEL NX Ultra Plates surpassing expectations, printers can now offer a differentiated product to brand clients with measurable productivity gains and remarkable standardization in the pressroom. Ideal for label, paperboard, and flexible packaging applications, these performance-rated plates facilitate incredibly fast job changeovers, consistent color — yes, even on long runs — and outstanding print quality. Excellent plate drape also means easy mounting.

Unique technology

Thanks to our legacy-building imaging and materials technology, we continue to deliver serious competitive advantages your way. KODAK FLEXCEL NX Thermal Imaging Layer (TIL) uses unique film technology for the highest resolution image carrier in the graphic arts industry. Combined with a patented lamination process, you get absolute image fidelity in an exceptionally efficient platemaking process.

Looking for an unprecedented level of ink transfer control during printing? Fully compatible with NX Advantage technology and patented Advanced Edge Definition, FLEXCEL NX Ultra Plates deliver superb quality and production efficiency benefits you can take to the bank.

Plate kit convenience

Offering matched quantities of FLEXCEL NX Ultra Plates and sheets of FLEXCEL NX Thermal Imaging Layer, plate kits make ordering and inventory control simple and efficient.

Solvent-free platemaking that delivers a press-ready plate in less than an hour

A complete solution

When you pair the FLEXCEL NX Ultra Plates and FLEXCEL NX Ultra Processing System with the industry-leading imaging capabilities of the well-established FLEXCEL NX System, it creates a powerhouse system with an optimized end-to-end digital flexo platemaking solution.

Miraclon innovation and service means putting products and customers first. By staying true to our best values, we turn the page on an exciting new chapter with FLEXCEL NX Ultra in upholding a creative standard of transforming the flexo industry for another decade to come.

Technical Specifications

FLEXCEL NXUH PLATE KITS

A wide range of finished plate size options are available. Contact your sales representative for more details.

Nominal plate size		24.0 x 30.0 inch	31.5 x 42.0 inch	35.4 x 47.2 inch
		610 x 762 mm	800 x 1067 mm	900 x 1200 mm
Thermal Imaging Layer (TIL-R)	6.5 mil (0.0065 inch)	•	•	•
		•	•	•
Safelight recommendations	Prolonged exposure should be under process yellow or UV-modified fluorescent light.			
Storage	Store flat and use in a controlled environment of 17 - 30°C (63 - 86°F) and at 40 - 60% RH.			
Handling	Handle plates carefully.			

TECHNICAL DATA FOR A FINISHED PLATE

	NXH 1.14	NXH 1.70
Thickness/Gauge	1.14 mm	1.70 mm
	0.045 inch	0.067 inch
Durometer (Shore A)	73 - 79	65 - 71
Minimum dot	10 µm	10 µm
Isolated dot reproduction	150 µm	150 µm
Fine line reproduction	20 µm	20 µm
Raw plate color	Orange	
Plate resolution	0.4 - 99.6%, 300 lpi (118 l/cm) @ 2400dpi, 25 micron KODAK STACCATO Screening	
Ink compatibility	Aqueous, solvent-based, UV-cured and EB-cured inks	
Substrates	Films, foils, shrink films, envelopes, paper, pressure sensitive labels, preprint liner	